

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2152	die near10 (attach or attaching or attached) near10 epoxy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 09:13
S2	147184	("156").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/17 13:16
S3	75	S1 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 13:16
S7	154	die near10 (attach or attaching or attached) near10 (dispense or dispensed or dispensing) near10 (adhesive or resin or glue)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 13:35
S8	64	("5681757").URPN.	USPAT	OR	ON	2006/04/17 13:22

## EAST Search History

S9	50	("3617387"   "4287427"   "4425795"   "4428232"   "4433577"   "4518956"   "4570230"   "4573128"   "4592231"   "4671110"   "4739658"   "4749988"   "4782451"   "4788861"   "4817277"   "4922852"   "4938383"   "4949069"   "4961456"   "5005005"   "5005407"   "5078010"   "5121631"   "5134248"   "5150037"   "5182947"   "5210769"   "5291031"   "5498490"   "5583544"   "5600285"   "5626053"   "5668536"   "5681757"   "5686703"   "5686829"   "5687092"   "5742500"   "5782410"   "5825526"   "5837892"   "5847929"   "5904500"   "5907266"   "5912759"   "5938386"   "5941843"   "5971227"   "5988859"   "5995909").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/17 13:25
S12	6	("4515297"   "4803124"   "4874444"   "4938383"   "4989796"   "5187123").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/17 13:44
S13	14	("2264632"   "2533704"   "2575976"   "3963551"   "4239576"   "4255644"   "4480983"   "4515297"   "4545840"   "4577398"   "4709849").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/17 13:45
S14	10	("2678557"   "3572400"   "3715258"   "3810779"   "3834966").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/17 13:47
S15	8	("3963551").URPN.	USPAT	OR	ON	2006/04/17 13:47
S16	32	("4803124").URPN.	USPAT	OR	ON	2006/04/17 13:48
S17	24	("5423889").URPN.	USPAT	OR	ON	2006/04/17 13:49
S18	46	(dispense or dispensed or dispensing or dispenser) near10 ((rectangular or rectangle) near5 (orifice or aperature))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 14:11

## EAST Search History

S19	101	("0878182"   "3093274"   "3448896"   "3595441"   "4598839"   "4896796"   "5174458"   "5324505"   "5588560"   "5813573"   "5823387"   "5868323"   "5899361"   "6524103"   "D136098"   "D179333"   "D186975"   "D246228"   "D262094"   "D262942"   "D267927"   "D274696"   "D279548"   "D281055"   "D286504"   "D286746"   "D286747"   "D291280"   "D291964"   "D296419"   "D304791"   "D307543"   "D308824"   "D311133"   "D316221"   "D319178"   "D321127"   "D321130"   "D321453"   "D322392"   "D324806"   "D324994"   "D325339"   "D328246"   "D329379"   "D337261"   "D342442"   "D342443"   "D342444"   "D343358"   "D344888"   "D346549"   "D347168"   "D347995"   "D348829"   "D349449"   "D351101"   "D351338"   "D352458"   "D353325"   "D353329"   "D353539"   "D356026"   "D358760"   "D362616"   "D362617"   "D363428"   "D364557"   "D366151"   "D367224"   "D367606"   "D369094"   "D373722"   "D374173"   "D374615"   "D375256"   "D376100"   "D378350"   "D378718"   "D392879"   "D399417"   "D399423"   "D402194"   "D403544"   "D404296"   "D405354"   "D406482"   "D409481"   "D412834"   "D413063"   "D415643"   "D416154"   "D416477"   "D419057"   "D430008").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/17 14:08
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## EAST Search History

S20	23	(adheisve or resin or glue) near10 ((rectangular or rectangle) near5 (orifice or aperature))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 14:59
S22	7	("3624192").URPN.	USPAT	OR	ON	2006/04/17 14:12
S23	19466	(adheisve or resin or glue) near10 nozzle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 14:13
S24	263	(die near10 (attach or attaching or attached)) and S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 14:49
S25	88	(die near10 (attach or attaching or attached)) same ((spread or spreading) near5 (adhesive or resin or glue))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 14:50
S28	32	("4803124").URPN.	USPAT	OR	ON	2006/04/17 14:57
S29	339	(adheisve or resin or glue) near10 ((rectangular or rectangle) near5 (opening))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 14:59
S30	5	(die near10 (attach or attaching or attached)) and S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 15:12
S33	9598	square same (rectangle or rectangular) same (adhesive or resin or glue)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 15:13
S34	250	(die near10 (attach or attaching or attached)) and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 15:39

## EAST Search History

S35	134489	("222").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/17 15:39
S36	80	(die near10 (attach or attaching or attached)) and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 15:39
S38	27917	(adhesive or resin or glue or epoxy) near5 (dispenser or nozzle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 08:41
S39	14539	die near (attach or attached or attaching)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 08:01
S40	72	S38 same S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 08:07
S41	6250	leadframe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 08:04
S42	23	S38 same S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 08:06
S43	285	S38 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 08:07

## EAST Search History

S44	213	S43 not S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 08:41
S45	1565	(438/118).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/18 08:41
S46	215	S45 and (dispenser or nozzle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 08:41
S48	4	("5022556"   "5348585"   "5782410"   "6348234").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/18 08:55
S49	1412987	die or chip	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 08:52
S50	1409500	rectangular or oval or elliptical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 08:53
S51	2685872	nozzle or dispenser or aperture or orifice or slit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 09:52
S53	3108102	adhesive or resin or glue or epoxy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 08:54

## EAST Search History

S54	105	S49 same (S51 near25 S50 near25 S53)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 09:13
S55	3	"57085250"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 09:10
S56	34355	die near10 (attach or attaching or attached)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 09:13
S58	33	S56 and (S51 near25 S50 near25 S53)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 09:14
S59	1565	(438/118).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 09:52
S60	417	S51 and S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 10:56
S61	3	("4642158"   "4778642"   "5423889").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 10:01
S62	1	("5851853").URPN.	USPAT	OR	ON	2006/04/19 10:01
S63	6	("4515297"   "4803124"   "4874444"   "4938383"   "4989796"   "5187123").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 10:02
S64	11	("2264632"   "3963551"   "4239576"   "4255644"   "4480983"   "4515297"   "4545840"   "4577398"   "4709849"   "4803124").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 10:03

## EAST Search History

S65	14	("2264632"   "2533704"   "2575976"   "3963551"   "4239576"   "4255644"   "4480983"   "4515297"   "4545840"   "4577398"   "4709849").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 10:03
S66	32	("4803124").URPN.	USPAT	OR	ON	2006/04/19 10:14
S67	2	("6206066").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 10:14
S68	11	("3855034"   "3933187"   "4208005"   "4307832"   "4314870"   "4656048"   "4803124"   "4880486"   "4919074"   "5336357"   "5875545").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 10:45
S69	3	("6206066").URPN.	USPAT	OR	ON	2006/04/19 10:47
S70	15	("3855034"   "3933187"   "4208005"   "4307832"   "4314870"   "4511421"   "4646676"   "4656048"   "4803124"   "4880486"   "4904499"   "4919074"   "5336357"   "5875545"   "6206066").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 10:47
S71	4	("4133910"   "4291642"   "4338351"   "4515297").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 10:56
S72	1540	(438/108).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 10:56
S73	332	S51 and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 10:57
S75	4	"02181494"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 11:09



## EAST Search History

S76	21	"321238"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 11:09
S77	25	"517071"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 11:10
S78	17	"582375"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 11:10
S79	360	(nozzle near5 S53) and S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 11:11
S80	50	("3617387"   "4287427"   "4425795"   "4428232"   "4433577"   "4518956"   "4570230"   "4573128"   "4592231"   "4671110"   "4739658"   "4749988"   "4782451"   "4788861"   "4817277"   "4922852"   "4938383"   "4949069"   "4961456"   "5005005"   "5005407"   "5078010"   "5121631"   "5134248"   "5150037"   "5182947"   "5210769"   "5291031"   "5498490"   "5583544"   "5600285"   "5626053"   "5668536"   "5681757"   "5686703"   "5686829"   "5687092"   "5742500"   "5782410"   "5825526"   "5837892"   "5847929"   "5904500"   "5907266"   "5912759"   "5938386"   "5941843"   "5971227"   "5988859"   "5995909").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 12:32
S81	5	("6539286").URPN.	USPAT	OR	ON	2006/04/19 12:33

## EAST Search History

S82	4	("5022556"   "5348585"   "5782410"   "6348234").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 12:33
S83	9	("3666141"   "4298575"   "4572103"   "4622239"   "4636406"   "4693209"   "4702393"   "4720402"   "4869397").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 12:34
S84	5	("3302564"   "3717121"   "4515297"   "4552778").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 12:36
S85	11	("2794417"   "3077857"   "3570721"   "3970222"   "4030640"   "4154379"   "4156398"   "4156495"   "4295596").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 12:37
S86	1955	(circuit near board) near5 polyimide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 14:05
S87	293	(circuit near board) near polyimide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 14:35
S88	60	S51 same S53 same (polyimide near tape)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 14:21
S89	5	("3689991"   "3724068"   "3763404"   "3781596"   "3904813").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 14:19
S90	5	S89 and polyimide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 14:25
S92	501	(tab near tape) same polyimide same (adhesive or resin or glue)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 14:26

## EAST Search History

S93	39	(US-20030209575-\$ or US-20050121139-\$ or US-20050172891-\$).did. or (US-4874444-\$ or US-6539286-\$ or US-5423889-\$ or US-4803124-\$ or US-5187123-\$ or US-4938383-\$ or US-5681757-\$ or US-6685777-\$ or US-4515297-\$ or US-3963551-\$ or US-6861095-\$ or US-6527905-\$ or US-6722536-\$ or US-3624192-\$ or US-0878182-\$ or US-4875279-\$ or US-5851853-\$ or US-4656048-\$ or US-6348234-\$ or US-4291642-\$ or US-6206066-\$ or US-5022556-\$ or US-4622239-\$ or US-5348585-\$ or US-4063993-\$ or US-3763404-\$).did. or (US-0878182-\$ or US-3178770-\$). did. or (JP-61196544-\$ or JP-2003324115-\$ or JP-57085250-\$ or JP-02181494-\$ or JP-04099042-\$).did. or (KR-2002052588-\$ or JP-11097461-\$ or JP-02181494-\$).did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2006/04/19 14:26
S94	8	S93 and polyimide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 14:26
S95	32	(circuit near board) same polyimide same (plurality near5 component)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 14:38
S96	1394	S56 and (polyimide same tape)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 14:40
S97	510	S56 same (polyimide same tape)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:05

## EAST Search History

S99	61	S56 same (width near5 die near5 mm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:10
S100	41	(US-20030209575-\$ or US-20050121139-\$ or US-20050172891-\$).did. or (US-4874444-\$ or US-6539286-\$ or US-5423889-\$ or US-4803124-\$ or US-5187123-\$ or US-4938383-\$ or US-5681757-\$ or US-6685777-\$ or US-4515297-\$ or US-3963551-\$ or US-6861095-\$ or US-6527905-\$ or US-6722536-\$ or US-3624192-\$ or US-0878182-\$ or US-4875279-\$ or US-5851853-\$ or US-4656048-\$ or US-6348234-\$ or US-4291642-\$ or US-6206066-\$ or US-5022556-\$ or US-4622239-\$ or US-5348585-\$ or US-4063993-\$ or US-3763404-\$).did. or (US-6784023-\$ or US-6284569-\$). did. or (US-0878182-\$ or US-3178770-\$).did. or (JP-61196544-\$ or JP-2003324115-\$ or JP-57085250-\$ or JP-02181494-\$ or JP-04099042-\$).did. or (KR-2002052588-\$ or JP-11097461-\$ or JP-02181494-\$).did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2006/04/19 15:12
S101	16	S100 and width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:14
S103	1	(semiconductor near die) near10 (length and width)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:15
S105	533	(semiconductor near (chip or die)) near10 (length and width)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:15

## EAST Search History

S10 7	45	(semiconductor near die) near10 (length near5 (mm or millimeter or millimetre))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:21
S10 8	0	(semiconductor near die) near10 conventional near10 (mm or millimeter or millimetre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:21
S10 9	7	(semiconductor near die) near10 usually near10 (mm or millimeter or millimetre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:22
S11 0	125	die near10 usually near10 (mm or millimeter or millimetre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:24
S11 1	322	die near10 (conventional or conventionally) near10 (mm or millimeter or millimetre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:25
S11 2	97	S111 and semiconductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:25
S11 3	371	chip near10 (conventional or conventionally) near10 (mm or millimeter or millimetre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:25
S11 4	243	S113 and semiconductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:25

## EAST Search History

S11 5	25	chip near10 (conventional or conventionally) near10 width near10 (mm or millimeter or millimetre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:27
S11 6	148	semiconductor near (die or chip) near10 width near10 (mm or millimeter or millimetre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 15:27
S11 7	2	"20040245749"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 10:38
S11 8	2	"20050260789"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 10:38
S12 7	49	(semiconductor near (chip or die)) with ((width or length) near3 (millimeter or mm)) with (adhesive or resin or glue)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 12:32